

MATERIAL SAFETY DATA SHEET

GRUNDY INDUSTRIES, INC.
1301 HERKIMER STREET
JOLIET, IL 60432-1057

Date: 1/1/97

A. IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: Non-Asbestos Plastic Roof Cement, Flashing Cement, Wet Surface Plastic Cement, Cold Application Cement, Fibered Roof Coating, Fibered Lap Cement, Topline #22 Flashing Cement, Waterproofing Trowel Mastic, Shingle Tile Tubes, BU 68 Resaturant

D.O.T. CLASSIFICATION: Combustible Liquid-Non Hazardous Material. Paragraph 173.150. Sub-Paragraph (F) (2)

EMERGENCY 24 HOUR TELEPHONE NUMBER: INFOTRACK, 1-800-535-5053

B. COMPONENTS AND HAZARD INFORMATION

COMPONENTS	CAS NO.	ACGIH TLV	APPROX. WT%
Petroleum Asphalt	8052-42-4	5.0 mg/m ³ (fume)	Less than 70%
Mineral Spirits	8032-32-4	100 ppm	Less than 30%

Hazardous Materials Identification System: (HMIS RATING) Health-1, Flammability-2, Reactivity-0, Personal Protection-E

C. PRIMARY ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES

Eye Contact: Mineral Spirits & Asphalt Components - can cause severe irritation, redness, tearing and blurred vision. Flush with large amounts of water for at least 15 minutes. **GET MEDICAL ATTENTION!**

Skin: Mineral Spirits & Asphalt Components - prolonged or repeated contact can cause moderate irritation, defatting dermatitis. Remove contaminated clothing, thoroughly wash exposed area with soap and water. If irritation persists, **get medical attention.**

Inhalation: Mineral Spirits - excessive inhalation of vapors can cause irritation of nose or throat, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation. Remove individual to fresh air; if breathing is difficult, administer oxygen, if breathing has stopped, give artificial respiration. Keep person warm and quiet. **GET MEDICAL ATTENTION!**

Ingestion: Aspiration hazard. **DO NOT INDUCE VOMITING** - Transport to hospital immediately. **GET MEDICAL ATTENTION IMMEDIATELY.** Note to physician - perform gastric lavage in accordance with procedures for ingestion of petroleum products.

D. FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point: (Method Used) Greater than >100° less than <142°Pensky Martin Closed Cup

LEL: 0.9 UEL: 6.0

Extinguishing Media: Dry chemical, CO2, Foam

Special Fire Fighting Procedures: Do not use water. Fight as a fuel oil fire.

Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground to an ignition source distant from the material handling point.

E. HEALTH AND HAZARD INFORMATION

Variability among individuals: Health studies have shown that individual sensitivities vary from person to person. As a precaution, exposure to vapors, liquids, mists, or fumes should be minimized.

Effects of overexposure: (Signs and symptoms of exposure) High vapor concentrations (>1000 ppm) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects, including death.

Nature of Hazard and Toxicity Information: Prolonged or repeated skin contact with this product tends to remove skin oils possibly leading to irritation and dermatitis. However, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria. Product contacting the eyes may cause eye irritation. Product has a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion may cause mild to severe pulmonary injury and possibly death.

Pre-existing Medical Conditions Which May be Aggravated by Exposure: Persons with pre-existing central nervous system disease, skin disorders, or chronic respiratory disease should avoid exposure to this product.

CONTAINER MAY BE HAZARDOUS EVEN WHEN EMPTIED. Since containers retain product residue (vapor, liquid or solid) all labeled HAZARD precautions must be OBSERVED. CLOSE containers after each use. DISPOSE of empty containers in accordance with local, state and federal regulations.

F. PHYSICAL DATA

<u>Initial Boiling Point:</u>	300° - 320°
<u>Specific Gravity:</u>	0.9 - 1.1
<u>Molecular Weight: (N/A)</u>	Complex mixture of hydrocarbons
<u>pH:</u>	Essentially neutral
<u>Vapor Density:</u>	Approximately 5.0 (Air = 1.0)
<u>Percent Volatile by Volume:</u>	Less than 30
<u>Solubility in Water @ 1 ATM and 77°F:</u>	Less than 0.1 (solvent portion)
<u>Viscosity:</u>	Greater than 10,000 cps @ 77°F

G. REACTIVITY

Stability: _____ Unstable X Stable

Hazardous Polymerization: _____ May Occur X Will Not Occur

Hazardous Combustion Products: Hazardous combustion products include: carbon dioxide, carbon monoxide and nitrogen oxides.

Incompatibility (Material to Avoid): Avoid contact with strong oxidizing agents such as: liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

Conditions to Avoid: Keep from heat, sparks and open flame.

H. ENVIRONMENTAL INFORMATION

Steps to be taken if spilled or released:

Shut off and eliminate all ignition sources.

Keep people away.

Recover free product; add sand, earth, or other suitable absorbents.

Minimize skin contact and breathing vapors.

Ventilate confined spaces; open all doors and windows.

Keep product out of sewers and water courses by diking or impounding.

Advise authorities if product has entered or may enter sewers, water courses or extensive land areas.

ASSURE CONFORMITY WITH APPLICABLE GOVERNMENTAL REGULATIONS.

EPA Hazard Classification Code:

Acute Hazard	Chronic Hazard	Fire Hazard	Pressure Hazard	Reactive Hazard	Not Applicable
X		X			

I. PROTECTION AND PRECAUTIONS

Steps to be taken in Case Material is Released or Spilled: Eliminate potential sources of ignition. If large release, wear appropriate respirator and other protective clothing to avoid prolonged and repeated breathing of vapors and contact with skin; dike and contain; soak up spills with noncombustible absorbent.

Ventilation: Use only in well ventilated areas equivalent to outside air.

Protective Gloves: Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Eye Protection: Use splash goggles or face shield when eye contact may occur.

Other Protective Equipment: Wear loose fitting protective clothing to minimize skin contact.

Work Practices/Engineering Controls: Keep containers closed when not in use. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS. To prevent fire or explosion risk from static accumulation and discharge, effectively ground product transfer system in accordance with NFPA standard for petroleum products.

Personal Hygiene: Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry clean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

J. TRANSPORTATION AND OSHA LABEL INFORMATION

Transportation Incident Information: For further information relative to spills resulting from transportation incidents, contact the Department of Transportation.

D.O.T. Identification Number: Not established.

OSHA REQUIRED LABEL INFORMATION: In compliance with hazard and right-to-know requirements, the following OSHA Hazard Warnings should be found on a label, bill of lading or invoice accompanying this product. CAUTION: COMBUSTIBLE Note: Product label will contain additional non-OSHA Information.

K. OTHER

This material safety data sheet and the information it contains, is offered to you in good faith as accurate. Whether or not received from sources outside our company, we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in the data sheet may not be adequate for all individuals or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

For Further Information Contact: Grundy Industries, Inc.

**1301 Herkimer Street
Joliet, IL 60432
Phone 800-435-1210
Fax 815-726-7301**

**11155 East 47th Avenue
Denver, CO 80239
Phone 303-371-0617
Fax 303-371-0617**

***Manufacturers of Roof Coatings and Cements
for the PROFESSIONAL ROOFING CONTRACTOR***